

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference tp103553/m1a	FOR FURTHER ACTION <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. PCT/FI 2005/050085	International filing date (day/month/year) 16 March 2005	(Earliest) Priority Date (day/month/year) 25 March 2004
Applicant TELIASONERA FINLAND OYJ et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (see Box No. II)

3. Unity of invention is lacking (see Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.
 the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.
 as selected by this Authority, because the applicant failed to suggest a figure.
 as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/050085

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/66, H04L 29/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q, H04L, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, PAJ WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20020004826 A1 (R.W.J.WAITE ET AL), 10 January 2002 (10.01.2002), [6],[12-17],[37], [50], claims 1-50 --	1,5
X	WO 03088625 A1 (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), 23 October 2003 (23.10.2003), page 9 - page 12; page 19 - page 22, claims 1-61 --	1,5
A	US 20030154306 A1 (S.H.PERRY), 14 August 2003 (14.08.2003) --	1-11
A	US 20030169766 A1 (J.OGAWA), 11 Sept 2003 (11.09.2003) --	1-11

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

30 June 2005

Date of mailing of the international search report

11-07-2005

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/050085

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 20020013848 A1 (M.J.RENE SALLE), 31 January 2002 (31.01.2002) --	1-11
P,Y	EP 1441483 A2 (SAMSUNG ELECTRONICS CO.,LTD.), 28 July 2004 (28.07.2004) --	1-11
P,Y	US 6769031 B1 (R.BERO), 27 July 2004 (27.07.2004) -----	1-11

INTERNATIONAL SEARCH REPORT
Information on patent family members

28/05/2005

International application No.

PCT/FI 2005/050085

US	20020004826	A1	10/01/2002	US	6434600	B	13/08/2002
WO	03088625	A1	23/10/2003	AU	2003230768	A	00/00/0000
				DE	10392494	T	17/02/2005
				GB	0421206	D	00/00/0000
				GB	2402586	A	08/12/2004
US	20030154306	A1	14/08/2003		NONE		
US	20030169766	A1	11/09/2003	CN	1442984	A	17/09/2003
				JP	2003258838	A	12/09/2003
US	20020013848	A1	31/01/2002	GB	0014115	D	00/00/0000
				GB	2363297	A,B	12/12/2001
EP	1441483	A2	28/07/2004	CN	1525711	A	01/09/2004
				JP	2004229299	A	12/08/2004
				US	20040218611	A	04/11/2004
US	6769031	B1	27/07/2004		NONE		